



Campaign No. 2015050001, May 2015

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model 906 (Sprinter) with Engine 651 (4-Cylinder Diesel)**
Model Year 2015
Replace Timing Chain Tensioner Sealing Ring

Daimler AG (DAG) has determined that on approximately 1,338 Model Year 2014-2015 Mercedes-Benz and Freightliner Sprinter vehicles, the chain tensioner sealing ring on the 4-cylinder diesel engine may have experienced variations in material tolerances during a certain production period. Such sealing rings may exhibit an increased settling behavior, which could negatively influence the pretensioning force. Over time, this might lead to loosening of the chain tensioner, as well as an ineffective sealing ring seal for engine oil. As a consequence, leakage of engine oil onto the road might pose a threat to traffic. Should the oil leakage reach a certain amount the engine might stall. Oil leakage in the presence of an ignition source could also increase the risk of a potential fire. An authorized Sprinter dealer will replace the chain tensioner sealing ring.

Prior to performing this Recall Campaign:

- Please check VMI to determine if the vehicle is involved in the Campaign and if it has been previously repaired.
- Please review the entire Recall Campaign bulletin and follow the repair procedure exactly as described.

Please note that Recall Campaigns **do not expire** and may also be performed on a vehicle with a vehicle status indicator.

Approximately 1,338 vehicles are involved.

Order No. V-RC-2015050001

This bulletin has been created and maintained in accordance with MBUSA-SLP S423QH001, Document and Data Control, and MBUSA-SLP S424HH001, Control of Quality Records.

Procedure

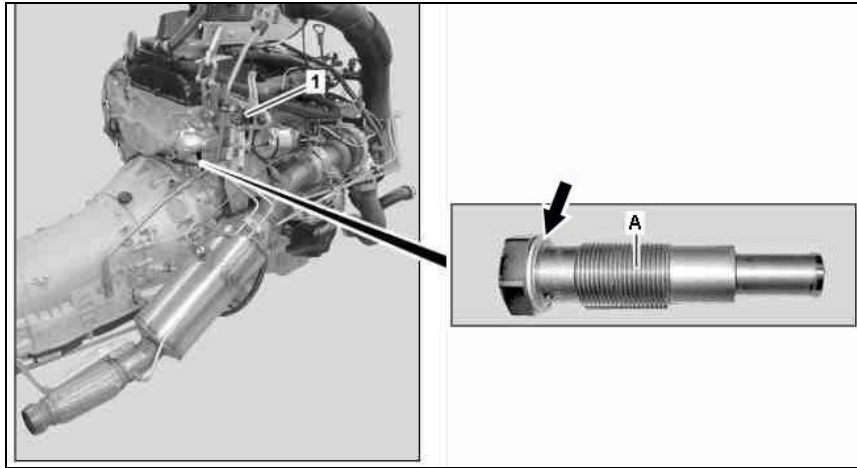


Figure 1 (A: Timing Chain Tensioner 1: Mounting bracket Arrow: Timing chain sealing ring)

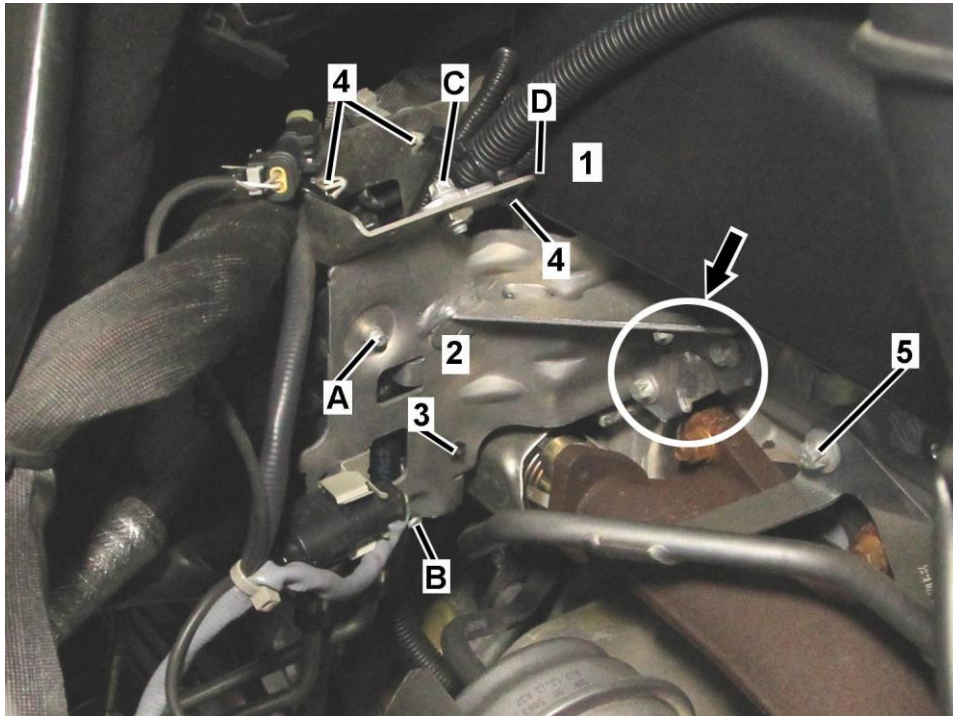


Figure 2

1. Set piston for cylinder 1 to top dead center (TDC): Refer to WIS: AR05.20-D-6010WE. Perform step 3 only.

Note:

- Turn vibration damper pulley from below vehicle (with vehicle on the ground) and have assistant check timing mark on vibration damper pulley.
- Turn vibration damper pulley in direction of rotation only.

2. Remove air intake pipe; refer to WIS: AR09.10-D-8131WE.

Note: Be careful not to damage seal on intake pipe connected to turbo or damage to turbo may occur.

3. Lift up on right rear corner (1, Figure 2) of upper engine cover to release cover from mounting bracket (2). **Note:** Engine cover is mounted to a ball stud (D) on the mounting bracket (2).
4. Carefully push cable tie mounting clip (3) out from mounting bracket (2). Be careful not to damage mounting clip (3). In the event of damage to mounting clip, replace with part no.: A 007 997 5690.

5. Remove differential pressure sensor screws (A, B, Figure 2) from rear of mounting bracket (2, Figure 2). Refer also to Figure 3.
6. Remove top screw (C, Figure 2) from mounting bracket (2, Figure 2).
7. Remove 3 mounting bracket screws (arrow, Figure 2).

Note: Do not remove cable tie mounting clips (4, Figure 2) out from mounting bracket (2, Figure 2).

8. Remove transmission dipstick tube mounting screw (5, Figure 2).
9. Move mounting bracket (2, Figure 2) away from engine.

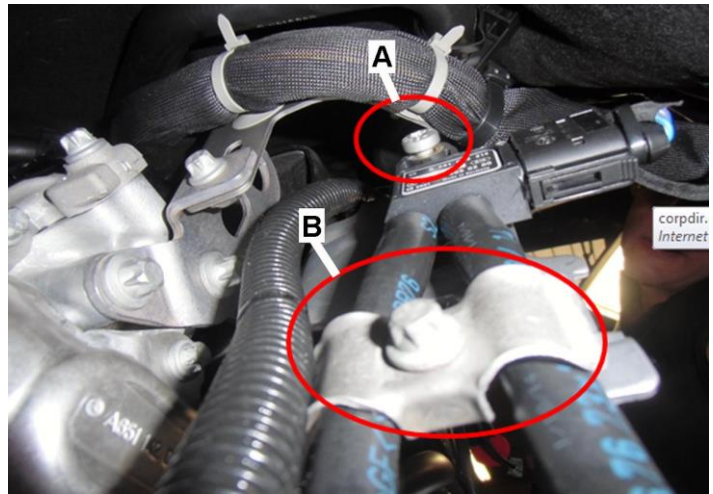


Figure 3 (Rear view of mounting bracket)

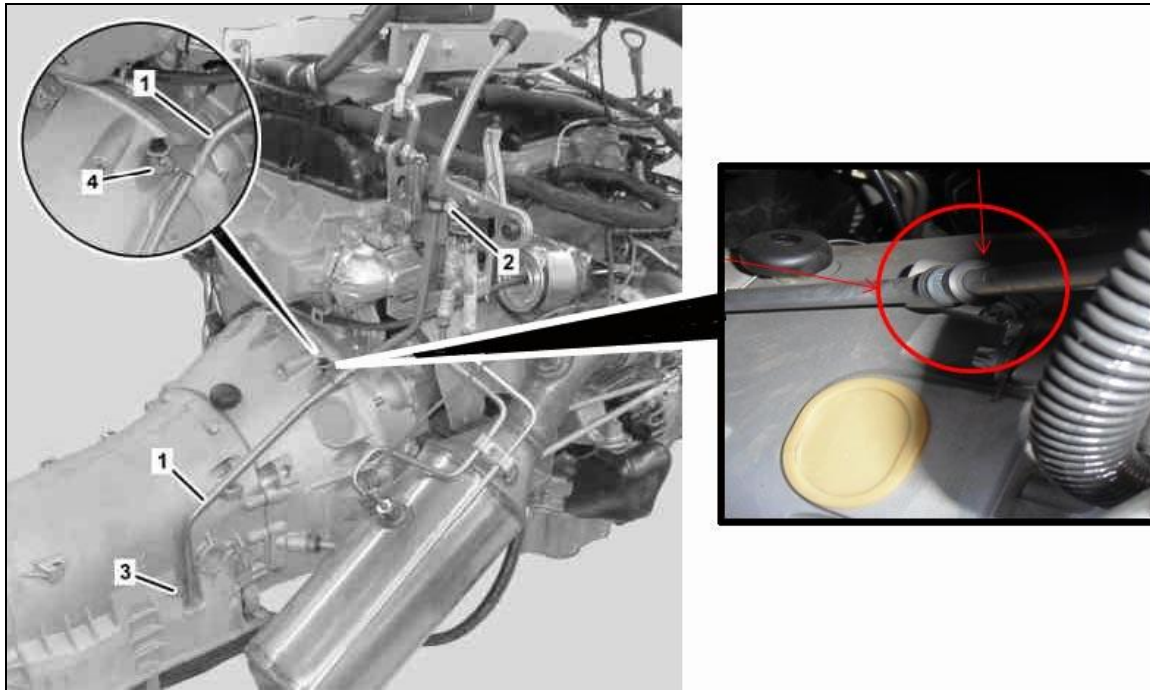


Figure 4 (shown on vehicle up to 8/31/10)

10. Remove transmission dipstick tube mounting bolt (4, Figure 4).
11. Loosen transmission dipstick tube (1, Figure 4) **Do not** remove transmission dipstick tube.

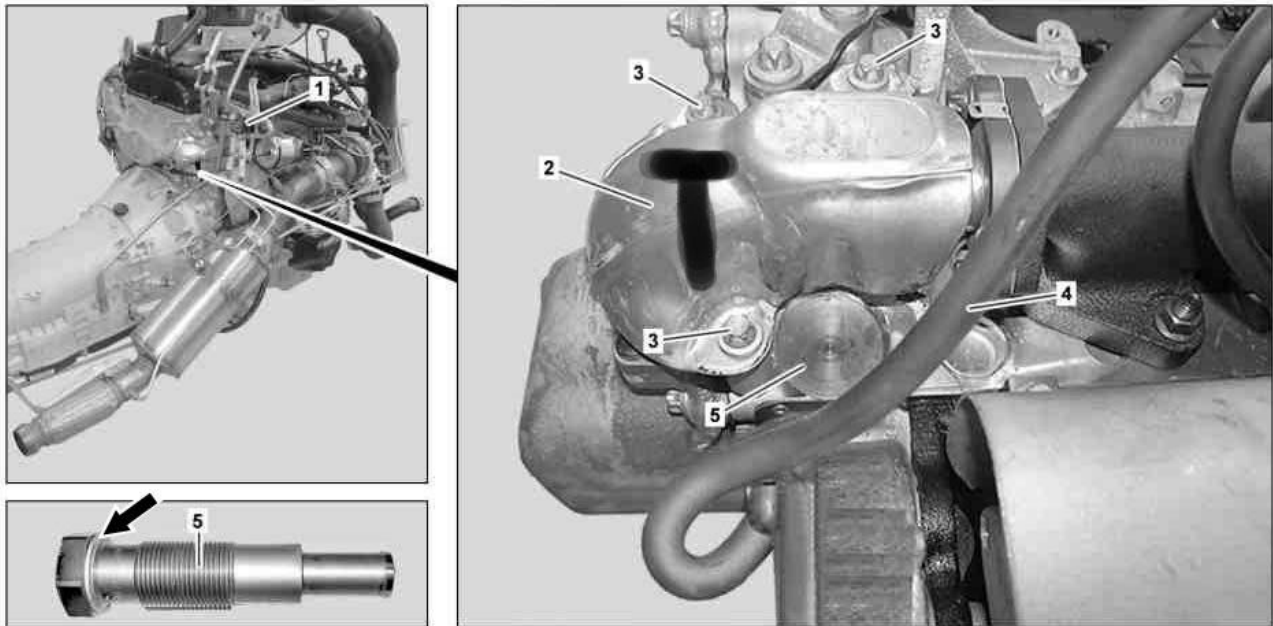


Figure 5

12. Remove bolts (3, Figure 5) and remove heat shield (2).

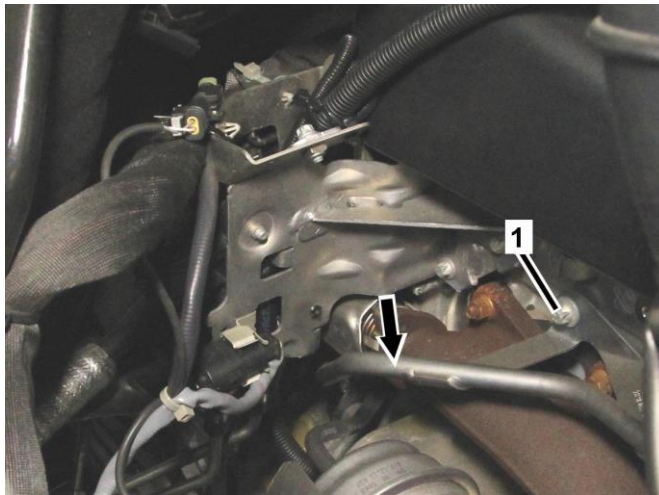


Figure 6

13. Slightly lift transmission dipstick tube (arrow, Figure 6) then remove timing chain tensioner (5, Figure 5).
14. Place timing chain tensioner (5, Figure 5) into a vice; refer to WIS: AR05.10-D-7800-04WE.
15. Replace timing chain tensioner sealing ring (arrow, Figure 5).
16. Start timing chain tensioner (5, Figure 5) into engine by hand.
17. Torque timing chain tensioner (5, Figure 5) to 80 Nm.
18. Mark heat shield (2, Figure 5) with the letter "T" (using permanent marker) to indicate campaign has been performed.
19. Reinstall remaining components in reverse order.

Note:

Torque specification for fasteners are listed below:

- Heat shield screws (3, Figure 5): 8 Nm.
- 2 Transmission dipstick tube mounting screws (4, Figure 4 and 5, Figure 7): 8 Nm..
- Mounting bracket screw (arrows, C, Figure 7): 9 Nm.
- Differential pressure sensor screws (A, B, Figure 7): 8 Nm.
- Clamps securing air intake pipe (WIS: AR09.10-D-8131WE): 3 Nm.
- Be sure to reinstall cable mounting clip (3, Figure 7). In the event of damage to mounting clip, replace with part no.: A 007 997 5690

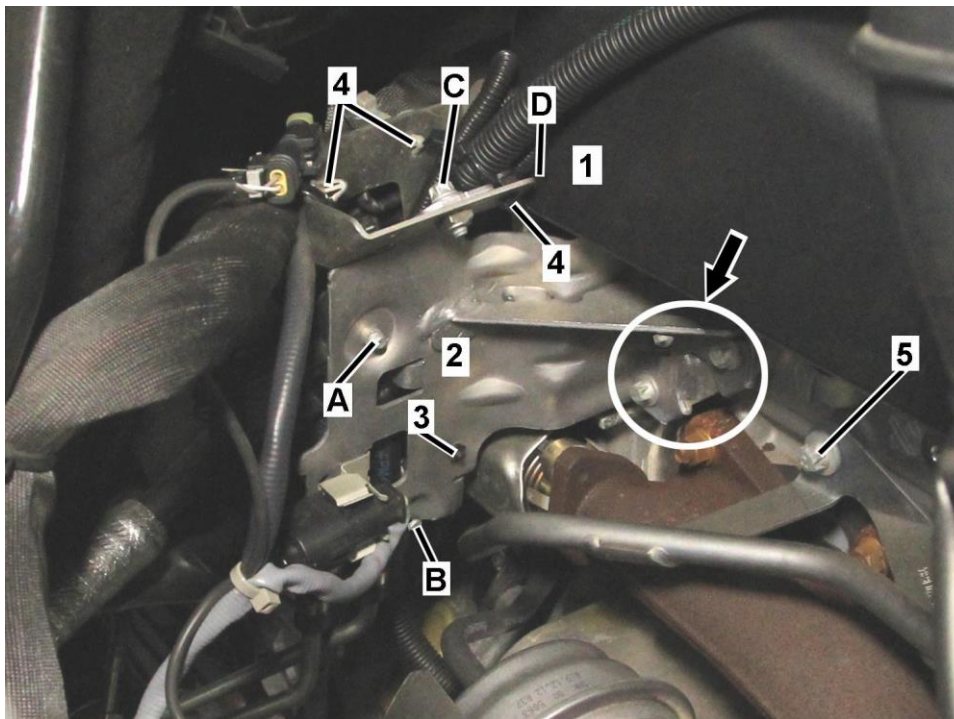


Figure 7

20. Start engine and check for leaks.

i **Note** (regarding WIS documents referenced in this Procedure):

Replacement of parts not listed in the parts table of this Procedure are not claimable under this campaign. If replacement of additional part(s) is necessary, check coverage prior to submitting under warranty.

Primary Parts Information

Qty.	Part Name	Part Number	Estimated Replacement Rate
2	Cable tie	A 002 997 24 90	100%
1	Timing chain sealing ring	A 651 997 01 45	

i **Note:**

- Please be aware that only the part number(s) referenced in the Campaign Bulletin is/are approved for use to repair the vehicle. Repairs performed using any other part(s) will not have been performed in accordance with the campaign. Accordingly, warranty claims submitted with reference to an improper part number(s) will be denied.
- The following allowable labor operation should be used when submitting a warranty claim for this repair:

Warranty Information

Operation: Replace sealing ring on timing chain tensioner (02 8853)
Additional for automatic transmission (02 8860).

Damage Code	Operation Number	Labor Time (hrs.)
01 920 67 7	02 8853	1.0
	02 8860	0.1

i **Note**

Operation Number labor times are subject to change.